Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. nal Bill

Date.....2019

Zone:**BBMP,Yelahanka** Division:**BBMP, Byatarayanapura** Sub-Division:**BBMP, Kodigehalli**

Bill Received No. Dated Divisional / Sub-Divisional

Cash Book Voucher No.....Dated.....

Job Code: 007-19-000022

Schedule Docket No. Head of Account: P3293 Est.Cost: Rs.20.00 Lakhs D.R.NO.:

Name of Work : Drilling of borewells and providing water pipe line in ward No 07, Byatarayanapura

Name of Contractor and Full Address: Sri.A.Puttaraju, # 48/5, Pipeline B Cross, Bahubalinagara, Jalahalli Bangalore-13

Reference to Agreement No. BBMP/EE/BTP/WO/11/2019-20 Date: 06.05.2019

Certified that the measurements were taken by me on: 25/10/2019 and recorded of Pages **499101** to **499121** of measurement Book No. **4992/2019-20** and that work is satisfactorily executed.

Contractor

Asstt. E.E

Officer-in-charge of work

Certified that measurement were taken by me on 25/10/19 /2019 and found correct. The work is satisfactoril executed.

Certified that the quantities of materials shown in column 3 of Accont have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

Assistant Executive Engineer,
Kodigehalli Sub Division.
Yelahanka Zone, B.B.M.P.
Bangalore.

1) Total value of work done or supplies made as per account within — Amount 1765800-00
2) Deduct amount to be held in reserve being.....Percent Rs..... — 5% 88300-00
3) " Balance — 15% 17700-00
4) Deduct Payment:
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D.No..... adjusted towards cash advance recovery of — Cess 15766-00
   b) Payments cost store or other material supplied. — Cess 15766-00
   Now made recovery of amount creditable to this /other work — GST 1500-00
   Amount paid on this bill Cheque/Cash. — Cess 1770-00
5) Balance being unpaid value of work done held in reserve. — Lwf 1700-00
6) Deduct cash advance made on the Office cash Book Voucher No..... dated .....less adjustments. — Hire 1200-00
7) Net amount due to or from Contractor unadjustments items. — Total amount adjusted 159702-00
8) Advance to Contractor for materials brought to site (as detailed) within
9) Value of Government materials supplied.

Contractor's Signature 1606098-00

Received Rs.....(in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

(For use in the Office)

Witness

1

2

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Stamp

P. 3293

1765800-00

159702-00

1606098-00

Executive Engineer

Sl. No.	Items grouped under sub-Heads and Sub-Works of the Estimate Description	Unit
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing Ground Water in the vicinity, its quality, quantity and acceptability of the users indicating the location of site, recommended depth of casing pipe required an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction (P.47, I. 9.4) PRED.SR 2012-13	Each BW
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) P. 46 / It. 9.1 PRED SR 2012-13 0 to 50 m	Rmtr
3	50 to 100 m	Rmtr
4	100 to 150 m	Rmtr
5	150 to 200 m	Rmtr
6	200 to 250 m	Rmtr
7	250 to 270 m	Rmtr
8	Supply of ISI mark 175 mm nominal bore, plain end steel casing pipe grade of steel fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts. Both ends threaded confirming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be with ISI marking, weighing 25.10 Kg/mtr.(Inclusive of all taxes and durties). Prices include collar-medium duty.(Piii, It, 84)	Nos
9	Providing 200mm dia PVC Pipe10kg/cm2 SE PRED PAGE NO 15 IT 3.4.3 G	Nos
10	Providing and supllying 175mm dia M.S.Cap (as per PREC SR 2012-13) etc., complete as per specifications and direction of the Engineer--in-charge (Piii, It 85)	Mtr
11	Supplying and delivery of sub mersible pumpset suitable for borewell of 165mm dia with specified duty conditions as detailed below and satisfied in BIS with ISI mark with a minimum efficeiency cf 42% pump shall confirm to IS 8034/2002 and motor confirming to IS 9283/1995 with ISI certification with latest amendemnets for the following, Page No. XXXXII	Nos
12	Providing and fixing in galvanised mild steel tubes (Heavy class as per iS 1239 Part-1990) 50mm dia nominal bore with all fittings including cost of all materials labour charges HOM of euipment and testing complete as per specification (PWD SR 2015-16 P NO.87, It No.13.6)	Nos
13	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 49/ I No. 29-c(1) 2.5 Sqm mm of 36 strands 0.3mm dia Group - A KPWD Electrical SR 2014-15	Nos

Previous Measurement		Present Measurement			Total Upto Date	
Qty	Rate Rs. P.	Qty	Rate Rs. P.	Amount	Qty	Cost
-	-	2.00	1938.00	3876.00	2.00	3876.00
-	-	100.00	315.0	31500.00	100.00	31500.00
-	-	100.00	412.0	41200.00	100.00	41200.00
-	-	100.00	458.0	45800.00	100.00	45800.00
-	-	100.00	484.0	48400.00	100.00	48400.00
-	-	100.00	560.0	56000.00	100.00	56000.00
-	-	40.00	600.0	24000.00	40.00	24000.00
-	-	110.00	1364.0	150040.00	110.00	150040.00
-	-	90.00	1144.0	102960.00	90.00	102960.00
-	-	2.00	100.0	200.00	2.00	200.00
-	-	2.00	67724.0	135448.00	2.00	135448.00
-	-	750.00	457.0	342750.00	750.00	342750.00
-	-	1800.00	188.0	338400.00	1800.00	338400.00

14	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involoved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost) (As per rate approved KUWS & DB for year 2008-09	Nos
15	Supply heavy duty galvanized mild steel color suitable for 50mm dia nominal bore galvanized mild steel	Nos
16	Supply of non return valve suitable for 50mm dia nominal bore galvanized mild steel tube (P No 95, It No.13.55)	Nos
17	Supplying of on load charges over switches 4 poles 415V, 5hr ac supply 100-125 amps group A (BWSSB SR Rate P No 3481, It Group A)	Nos
18	Supply and fully automatic star delta uint push button type with suitable wires, 3 conatactor one adjustable thermal timer mounted on a common base late held in steel enclosure for use on 440/440 volts 3 phase and wired after to the existing wooden board for motor 12.5 HP (BWSSB SR P No. 335. It No.10(A)	Nos
19	Erection of single phase preventor ammeters/including fixing selctor switch/current operated earth leakage circuit breakers voltage operated circuit breaker above 100A fuse channel set (3 Nos) HRC fuses above 100A (3 Nos) including transportation charges from stores to spot (P-28. It No.16)	Nos
20	Fabricating, supplying and mounting 1200x900x350 mm MS box of 18 SWG suitable for floor /wall mounting, fully weather proof with double stanted top as per drawing with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with approved colour enamelled metal paint etc., complete box of 36200 sqcm @ Rs.0.20 18 SWG (BWSSB SR P-352, It No 41)	Nos
21	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materials and wiring complete as requireds32 to 63 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications (BWSSB SR P-352, It No 15)	Nos
22	Supplying and running of GI copper strips or grounding connections using necessary fixing materials required 600x600x3mm GI plate (P-378, It 9(E)	sqm
23	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete.... P No. 32/I No 3d KPWD Electrical SR 2010-11	Nos
24	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm @ Rs.0.33 P.No. 49, I. No. 6.40.2 KPWD Electrical SR 2014-15	Nos
25	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. PRED Bangalore Circle SE Approved Date 30.07.2010 15HP to 30 HP Star Delta Starter	Rmt

		2.00	3000.0	6000.00	2.00	6000.00
-	-	90.00	130.0	11700.00	90.00	11700.00
		2.00	1409.0	2818.00	2.00	2818.00
-	-	2.00	9845.0	19690.00	2.00	19690.00
		2.00	5665.0	11330.00	2.00	11330.00
-	-	2.00	1500.0	3000.00	2.00	3000.00
-	-	2.00	7866.0	15732.00	2.00	15732.00
-	-	2.00	2090.0	4180.00	2.00	4180.00
-	-	2.00	1072.0	2144.00	2.00	2144.00
-	-	12.00	201.0	2412.00	12.00	2412.00
-	-	54800.00	0.33	18084.00	54800.00	18084.00
-	-	2.00	10000.0	20000.00	2.00	20000.00

26	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 (P.81/I.13.37)	Rmt
27	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class.P No. 68/ I No. 4(d) 4 core 16 Sqmm KPWD Electrical SR 2010-11	Rmt
28	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, P No. 69 / I No. Ia In existing trencg/duct 6Sqmm to 16 Sqmm) KPWD Electrical SR 2010-11	Rmt
29	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete (as per Civil SR KSRB 1-2 P-7) P No. 70/ I. No. 6-c KPWD Electrical SR 2010-11	Nos
30	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class P. No. 70/ I No.9-A KPWD Electrical SR 2010-11	Cmtr
31	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., P. No. 70/ I No. 10-b KPWD Electrical SR 2010-11	Cmtr
32	Cutting the road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading danger lighting etc in following classifications Cutting in Cement concrete road surface (Page 269 Item 37.40)	Rmtr
33	KSRB 2.6 : Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with lead upto 50m. and lift upto 1.5m complete as per specifications.Specification No.KBS 2.10.2(Page No7., Item No. 2.13)	Cmtr
34	KSRB 4 - 1.6 : Providing and laying in position plain cement concrete of mix M 15 with cement @ 240 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation plinth and cills including cost of all materials, labour HOM of machinery curing complete as per specifications. Specification No.KBS 4.1, 4.2 (Page No.12, Item No. 4.6)	Cmtr
35	Providing and fixing Chorinated Poly Venyl Chloride(CPVC) pipes confirming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass treaded fittings including fixing the pipe with clamp at 1.oo m spacing.This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete (inertnal work exposed on wall).(P-99, Item No.13.85.6, 50mm nominal OD PIPES)	Mtr
36	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) 270-300mts	Rmtr
37	300-350mtrs	Rmtr
38	Above 350mtrs	Rmtr
39	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5.	Cum

-	-	2.00	1843.0	3686.00	2.00	3686.00
-	-	60.00	140.0	8400.00	60.00	8400.00
-	-	60.00	10.0	600.00	60.00	600.00
-	-	60.00	117.0	7020.00	60.00	7020.00
-	-	10.00	345.0	3450.00	10.00	3450.00
-	-	2.00	280.0	560.00	2.00	560.00
-	-	1.80	727.0	1308.60	1.80	1308.60
-	-	0.60	2183.0	1309.80	0.60	1309.80
-	-	1.35	5747.0	7758.45	1.35	7758.45
-	-	30.00	492.0	14760.00	30.00	14760.00
-	-	60.00	599.71	35982.60	60.00	35982.60
-	-	100.00	639.83	63983.00	100.00	63983.00
-	-	95.00	639.83	60783.85	95.00	60783.85
-	-	7.20	305.24	2197.73	7.20	2197.73

40	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials,with 160mm outer dia	Mtr
41	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.	Cum
42	KSRB13-7.1-7 : Providing and fixing in position 100mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.10 / 13.13	Nos
43	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications	Cum
44	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2	Cum
45	Bescom Charges(9140+2020+9140+182+182)	Nos
	TOTAL	

CRTIFICATE:

1. Certified that the above work done satisfactory and no materials issued from Department

AE(ಒಸ)

-	-	40.00	1563.96	62558.40	40.00	62558.40
-	-	6.40	81.97	524.61	6.40	524.61
-	-	4.00	3058.90	12235.60	4.00	12235.60
-	-	1.80	5442.60	9796.68	1.80	9796.68
-	-	1.80	5868.64	10563.55	1.80	10563.55
				20664.00		20664.00
				1765806.87		**1765806.87**

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P
Bangalore.